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Enabling the transition from emerging technology to common practice

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Report Documentation Page

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What are Criteria Documents?

- Unified Facilities Criteria (UFC) documents
- Unified Facilities Guide Specifications (UFGS)
- Technical Manuals (TM)
- Engineer Regulations (ER)
- Engineer Manuals (EM)
- Engineer Technical Letters (ETL)
- Engineer Circulars (EC)
- Design Guides and Instructions
- Engineering and Construction Bulletins (ECB)
- Public Works Technical Bulletins (PWTB)
- Engineering Software
- Library of Standard Facilities Designs
- Whole Building Design Guide (WBDG) website (www.wbdg.org)
- USACE TechInfo website (www.hnd.usace.army.mil/techinfo/engpubs.htm)

Criteria Document "Shortfalls"

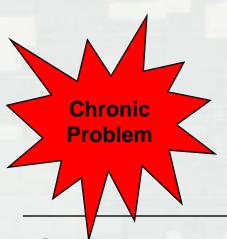
- Fragmented system for introducing new and emerging technologies into criteria documents
- Heavy focus on updates of referenced "industry standards" in UFGS
- UFGS only criteria document that has consistent update system & funding - no recurring funding or update system for other criteria documents
- Many critical UFC documents for facility BASOPS & SRM are very dated
- Technology transfer using only criteria documents is very "passive" and does not work well for inexperienced staff

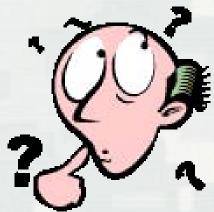
Necessary, but is it Sufficient?

RDT&E Reports

Policy & **Procedures**

Criteria **Documents**







Industry Practice

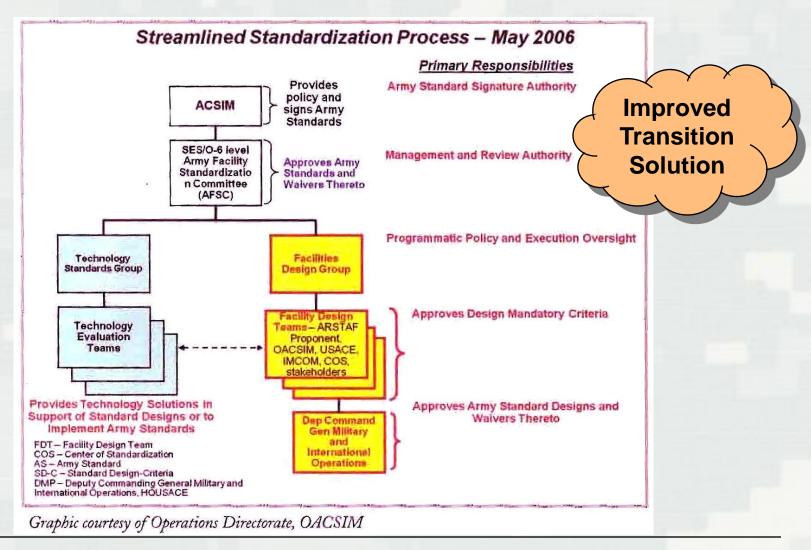


COTS **Technology**

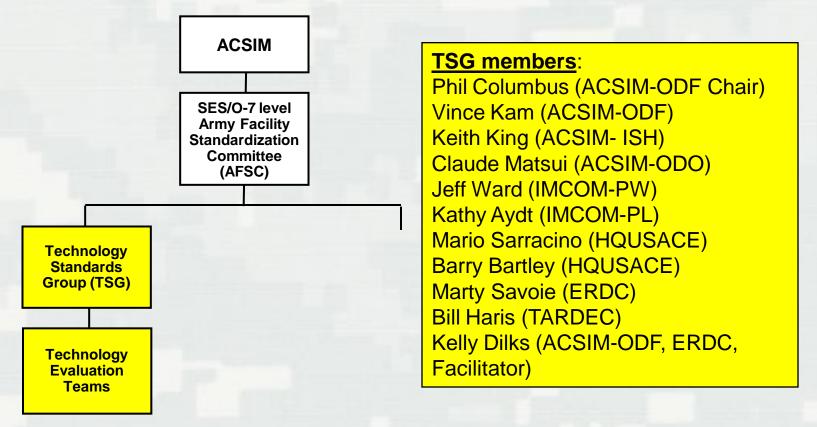
Personal **Experience**

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Integrate with ACSIM Facility Standardization Process



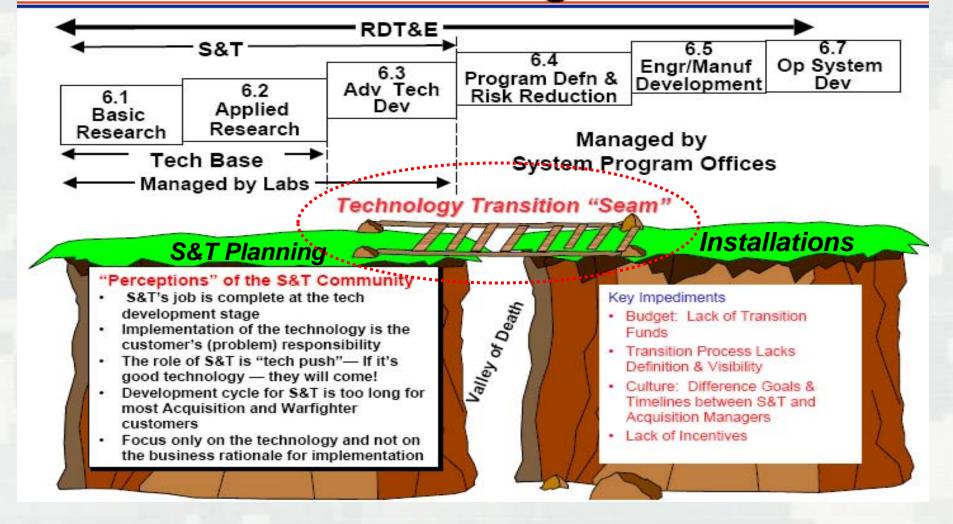
Technology Standards Group Overview



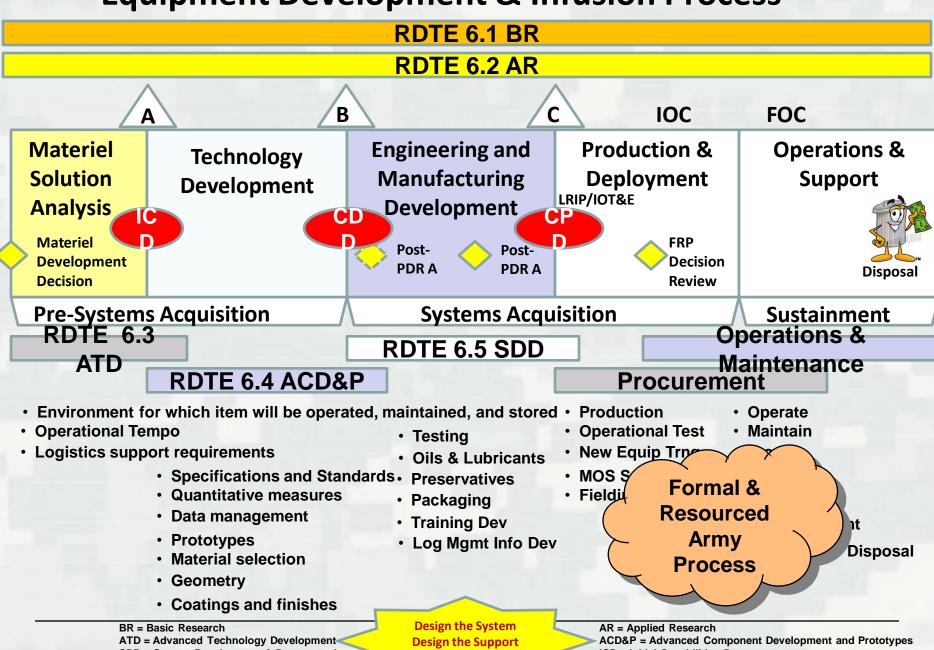
- Establishes Army Standards applicable to construction, renovation, and maintenance of facilities.
- Administers the Installation Technology Transition Program (ITTP).
- Evaluates Technologies for Army-wide implementation.
- Recommends improvements to policy, standards and guidance related to facilities O,M & R
- Provides guidance to AFSC regarding waiver requests of Army Standards.

Speeding Technology Transition "The Challenge"





Equipment Development & Infusion Process



SDD = System Development & Demonstration

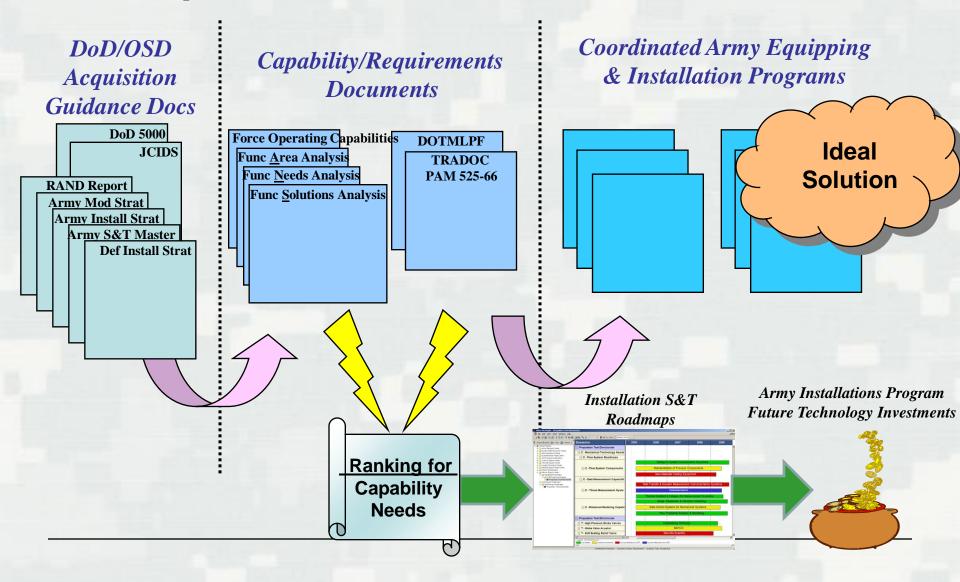
CDD = Capabilities Development Document

Support the Design

ICD = Initial Capabilities Document

CPD = Capabilities Production Document

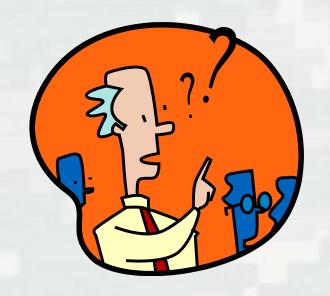
Establish a Formal Capability Assessment & Acquisition Process for Installations



Coordinated Transition of Technology Leverage **Technology Sources** the "Best & Game-changing New Ideas **Brightest**" National Lab & University research **Basic Research Emerging Technologies Applied** Flexible technology development with seamless transition to the field New Processes **Commercialization** & Fielding

Funding Sources Formal New BA4 Installation **Technology** Expanded BASOPS & "wedge" SRM

Questions?



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